Dr.G 6400

GENERAL MIDI

Ego Systems Inc.
45-11 Yoido-dong, shinhan Bldg. Suite 1003
Yoido-dong P.O. Box 472
Youngdungpo-gu, Seoul, Korea

Tel : +82 2 780-4451"3
Fax: +82 2 780-4454

Web Site: www.miditerminal.com
E-mail : webmaster@miditerminal.com

Standard MIDI Interface for Mac & PC / GS Compatible Sound Module

EGO SYS

Dr.G 6400™

Quick Setup Guide

Standard MIDI Interface for Mac & PC / GS Compatible Sound Module

Dr.G 6400™

Dr.G 6400

EGO SYS

GENERAL MIDI

Quick Setup Guide

A. What's in the Box?

Dr.G 6400 main unit

Cable

AC Adaptor

Manual

B. Set up

① before turning the power on

- ♦ make sure that the power cables of each device are correctly into an AC outlet
- ♦ make sure that Dr.G 6400 is correctly connected

② Connect Dr.G 6400 to PC with supplied

③ Click control panel

④ Select Multimedia

⑤ Select MIDI

⑥ Select External MIDI port (MPU-401)

Warning!!

When you use Dr.G 6400 as an "external Sound Module" please disconnect it from your Computer. in that case, you must take out the conection plug from Dr.G 6400

C. How to control parameter button

Audio (Line) in Control

① Select **prt** by **mode** button at front panel

② Select **A IN** at **prt**

③ after step ②, you can select below function

by "Mode" button

➲ **sel** (Input Type Select)

oFF default nIn Mic in LIn Line in

➲ **VoL** (Input Volume Control)

adjustable Range : 6 → 127

➲ **E-L** (Echo Level)

adjustable Range : 6 → 127

➲ **E-t** (Echo Time)

adjustable Range : 6 → 127

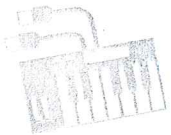
➲ **E-F** (Echo Feedback)

adjustable Range : 6 → 127

when the power on, all of level will be 64 Automatically

<Note> All displaying letters are blinking when it's working

D. MIDI part control



① **Prt** Select part 1 to 16

② **Pat** (part patch) 1 → 128 and off

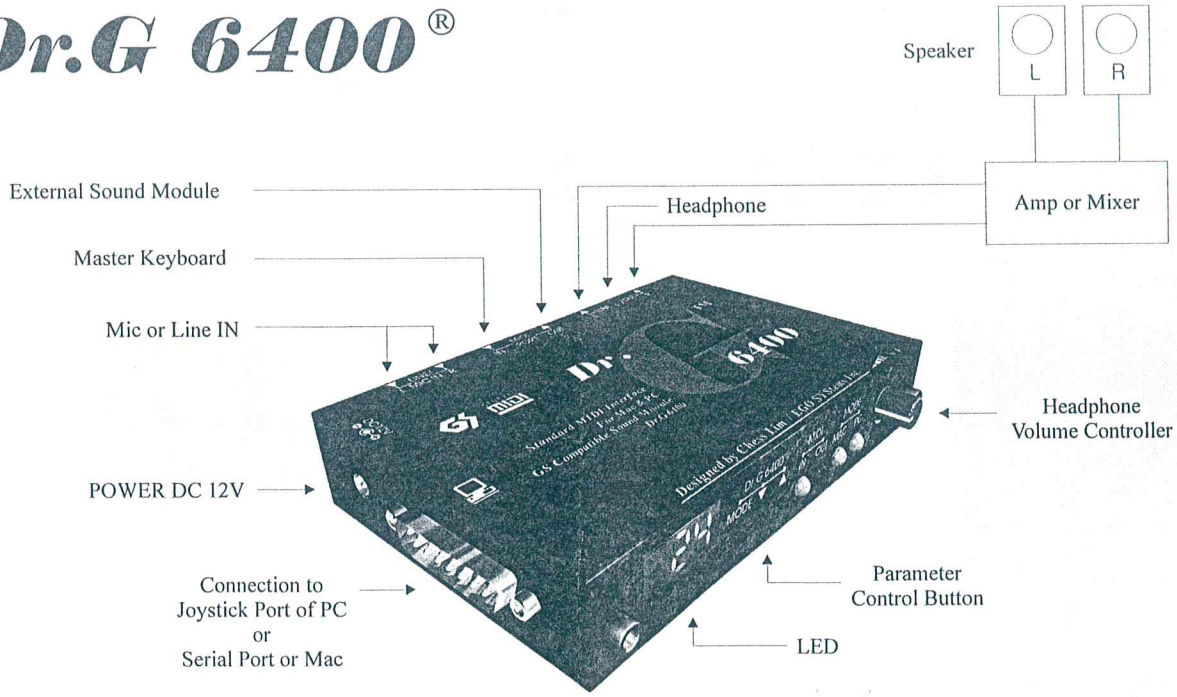
③ **Vol** (part volume) 0 → 127

④ **PAN** (part pan) 0 → 127

⑤ **rEV** (reverb level) 0 → 127

⑥ **cho** (chorus level) 0 → 127

Dr.G 6400®



Easy Connection ...

MAIN SOUNDS - GENERAL MIDI
(all channel except 10)

pc : program change

PC	GENERAL MIDI	PC	GENERAL MIDI	PC	GENERAL MIDI	PC	GENERAL MIDI
1	(Grand) Piano 1	33	Acoustic Bass	65	Soprano Sax	97	FX 1 (Rain)
2	(Bright) Piano 2	34	HQ Finger Bass	66	Alto Sax	98	FX 2(soundtrack)
3	(EI. Grd) Piano 3	35	HQ Picked Bass	67	Tenor Sax	99	FX 3 (crystal)
4	Honky-Tonk Piano	36	Fretless Bass	68	Baritone Sax	100	FX 4(atmosphere)
5	EI. Piano 1	37	Slap Bass 1	69	Oboe	101	FX 5 (brightness)
6	EI. Piano 2	38	Slap Bass 2	70	English Horn	102	FX 6 (goblins)
7	Harpsichord	39	Synth Bass 1	71	Bassoon	103	FX 7 (echoes)
8	Clavi	40	Synth Bass 2	72	Clarinet	104	FX 8 (sci-fi)
9	Celesta	41	Violin	73	Piccolo	105	Sitar
10	Glockenspiel	42	Viola	74	Flute	106	Banjo
11	Music Box	43	Cello	75	Recorder	107	Shamisen
12	Vibraphone	44	Contrabass	76	Pan Flute	108	Koto
13	Marimba	45	Tremolo Strings	77	Blown Bottle	109	Kalimba
14	Xylophone	46	Pizzicato Strings	78	Shakuhachi	110	Bag pipe
15	Tubular Bells	47	Orchestral Harp	79	Whistle	111	Fiddle
16	Santur	48	Timpani	80	Ocarina	112	Shanai
17	Drawbar Organ	49	String Ensemble1	81	Lead 1 (square)	113	Tinkle Bell
18	Percussive Organ	50	String Ensemble2	82	Lead 2(sawtooth)	114	Agogo
19	Rock Organ	51	Synth Strings 1	83	Lead 3 (calliope)	115	Steel Drums
20	Church Organ	52	Synth Strings 2	84	Lead 4 (chiff)	116	Woodblock
21	Reed Organ	53	Choir Aahs	85	Lead 5 (charang)	117	Taiko Drums
22	Accordion(french)	54	Voice Oohs	86	Lead 6 (voice)	118	Melodic Tom
23	Harmonica	55	Synth Voice	87	Lead 7 (fifths)	119	Synth Drum
24	Tango Accordion	56	Orchestra Hit	88	Lead 8(bass+lead)	120	Reverse Cymbal
25	Ac. Guitar(nylon)	57	Trumpet	89	Pad 1 (fantasia)	121	Gt. Fret Noise
26	Ac. Guitar(steel)	58	Trombone	90	Pad 2 (warm)	122	Breath Noise
27	El. Guitar(jazz)	59	Tuba	91	Pad 3 (polysynth)	123	Seashore
28	El. Guitar(clean)	60	Muted Trumpet	92	Pad 4 (choir)	124	Bird Tweet
29	El. Guitar(muted)	61	French Horn	93	Pad 5 (bowed)	125	Teleph. Ring
30	Overdriven Guitar	62	Brass Section	94	Pad 6 (metallic)	126	Helicopter
31	Distortion Guitar	63	Synth Brass 1	95	Pad 7 (halo)	127	Applause
32	Guitar harmonics	64	Synth Brass 2	96	Pad 8 (sweep)	128	Gunshot

SOUND VARIATIONS
(all channels except 10)

To select variation : send CTRL 0, then PC
PC : Program change
C0 : controller 0 value (zero for General Midi capital sounds)

Sound names conventions :
w - pan type sound (low notes sent to left, high notes sent to right)
d - other velocity response
v - velocity split type sound
o - special release on sound

PC	GENERAL MIDI	C0	1st VAR	C0	2nd VAR	C0	3rd VAR
1	(Grand) Piano 1	8	Piano 1w	16	Piano 1d		
2	(Bright) Piano 2						
3	(El. Grd) Piano 3						
4	Honky-tonk Piano						
5	El. Piano 1	8	Detuned EP 1	16	El. Piano 1v	24	60's El. Piano
6	El. Piano 2	8	Detuned EP 2	16	El. Piano 2v		
7	Harpsichord	8	Coupled Hps.			24	Harpsi o
8	Clavi						
9	Celesta						
10	Glockenspiel						
11	Music Box						
12	Vibraphone						
13	Marimba						
14	Xylophone						
15	Tubular Bells	8	Church Bell	9	Carillon		
16	Dulcimer (Santur)						
17	Drawbar Organ	8	Det. Organ 1	16	60's organ1	32*	Organ 4
18	Percussive Organ	8	Det. Organ 2			32*	Organ 5
19	Rock Organ						
20	Church Organ	8	Ch. Organ 2	16	Ch. Organ 3		
21	Reed Organ						
22	Accordion (french)	8	Acc. (Italian)				
23	Harmonica						
24	Tango Accordion						
25	Ac. Guitar (Nylon)	8	Ukulele	16	Nylon Gt. o	32*	Nylon Gt. 2
26	Ac. Guitar (Steel)	8	12-str. Guitar	16	Mandolin		
27	El. Guitar (jazz)	8	Hawaiian Gt.				
28	El. Guitar (clean)	8	Chorus Gt.				
29	El. Guitar (muted)	8	Funk Gt.	16	Funk Gt. 2		
30	Overdriven Guitar						
31	Distortion Guitar	8	Feedback Gt.				
32	Guitar harmonics	8	Gt. Feedback				
33	Acoustic Bass						
34	HQ Finger Bass	8	Finger Bass				
35	HQ Picked Bass	8	Picked Bass				
36	Fretless Bass						
37	Slap Bass 1						
38	Slap Bass 2						
39	Synth Bass 1	1	Syn Bass 101	8	Synth. Bass 3		
40	Synth Bass 2	8	Synth. Bass 4	16	Rubber Bass		

PC	GENERAL MIDI	C0	1st VAR	C0	2nd VAR	C0	3rd VAR
41	Violin	8	Slow Violin				
42	Viola						
43	Cello						
44	Contrabass						
45	Tremolo Strings						
46	Pizzicato Strings						
47	Orchestral Harp						
48	Timpani						
49	String Ensemble 1	8	Orchestra				
50	String Ensemble 2						
51	Synth Strings 1	8	Syn Strings 3				
52	Synth Strings 2						
53	Choir Aahs	32*	Choir Aahs 2				
54	Voice Oohs						
55	Synth Voice	8	Synth Voice2				
56	Orchestra Hit						
57	Trumpet						
58	Trombone	1	Trombone 2				
59	Tuba						
60	Muted Trumpet						
61	French Horn	1	Fr. Horn				
62	Brass Section	8	Brass 2				
63	Synth Brass 1	8	Syn Brass 3	16	AnalogBrass1		
64	Synth Brass 2	8	Syn Brass 4	16	AnalogBrass2		
65	Soprano Sax						
66	Alto Sax						
67	Tenor Sax						
68	Baritone Sax						
69	Oboe						
70	English Horn						
71	Bassoon						
72	Clarinet						
73	Piccolo						
74	Flute						
75	Recorder						
76	Pan Flute						
77	Blown Bottle						
78	Shakuhachi						
79	Whistle						
80	Ocarina						
81	Lead 1 (square)	1	Square	8	Sine Wave		
82	Lead 2 (sawtooth)	1	Saw	8	Doctor Solo		
83	Lead 3 (calliope)						
84	Lead 4 (chiff)						
85	Lead 5 (charang)						
86	Lead 6 (voice)	8	Lead Voice2				
87	Lead 7 (fifths)						
88	Lead8 (bass+lead)						
89	Pad 1 (new age)						
90	Pad 2 (warm)						
91	Pad 3 (polysynth)						
92	Pad 4 (choir)	8	Pad Choir2				
93	Pad 5 (bowed)						
94	Pad 6 (metallic)						
95	Pad 7 (halo)						
96	Pad 8 (sweep)						

DRUM SET TABLE (MIDI CHANNEL 10)

	Prog 65 : STANDARD SET	Prog 73: ROOM SET	Prog 81 : POWER SET	Prog 89 : ELECTR. SET	Prog 90: TR-808 SET
27 - D#1	High Q				
28 - E1	Slap				
29 - F1	Scratch Push				
30 - F#1	Scratch Pull				
31 - G1	Sticks				
32 - G#1	Square Click				
33 - A1	Metronome Click				
34 - A#1	Metronome Bell				
35 - B1	Kick drum2/Jazz BD2				
36 - C2	Kick drum1/Jazz BD1		Power Kick	Elec BD	808 Bass Drum
37 - C#2	Side Stick				808 Rim shot
38 - D2	Snare Drum 1		Gated Snare	Elec SD	808 Snare Drum
39 - D#2	Hand Clap				
40 - E2	Snare Drum 2			Gated Snare	
41 - F2	Low Floor Tom	Room Low Tom2	Room Low Tom2	Elec Low Tom2	808 Low Tom2
42 - F#2	Closed Hi Hat [EXC1]				808 CHH [EXC1]
43 - G2	High Floor Tom	Room Low Tom1	Room Low Tom1	Elec Low Tom1	808 Low Tom2
44 - G#2	Pedal Hi-Hat [EXC1]				808 CHH [EXC1]
45 - A2	Low Tom	Room Mid Tom2	Room Mid Tom2	Elec Mid Tom2	808 Mid Tom2
46 - A#2	Open Hi-Hat [EXC1]				808 OHH [EXC1]
47 - B2	Low-Mid Tom	Room Mid Tom1	Room Mid Tom1	Elec Mid Tom1	808 Mid Tom1
48 - C3	Hi Mid Tom	Room Hi Tom2	Room Hi Tom2	Elec Hi Tom2	808 Hi Tom2
49 - C#3	Crash Cymbal 1				808 Cymbal
50 - D3	High Tom	Room Hi Tom1	Room Hi Tom1	Elec Hi Tom1	808 HiTom1
51 - D#3	Ride Cymbal 1				
52 - E3	Chinese Cymbal			Reverse Cymbal	
53 - F3	Ride Bell				
54 - F#3	Tambourine				
55 - G3	Splash Cymbal				
56 - G#3	Cowbell				808 Cowbell
57 - A3	Crash Cymbal 2				
58 - A#3	Vibraslap				
59 - B3	Ride Cymbal 2				
60 - C4	Hi Bongo				
61 - C#4	Low Bongo				
62 - D4	Mute Hi Conga				808 High Conga
63 - D#4	Open Hi Conga				808 Mid Conga
64 - E4	Low Conga				808 Low Conga
65 - F4	High Timbale				
66 - F#4	Low Timbale				
67 - G4	High Agogo				
68 - G#4	Low Agogo				
69 - A4	Cabasa				
70 - A#4	Maracas				808 Maracas
71 - B4	Short Whistle[EXC2]				
72 - C5	Long Whistle[EXC2]				
73 - C#5	Short Guiro [EXC3]				
74 - D5	Long Guiro [EXC3]				
75 - D#5	Claves				808 Claves
76 - E5	Hi Wood Block				
77 - F5	Low Wood Block				
78 - F#5	Mute Cuica [EXC4]				
79 - G5	Open Cuica [EXC4]				
80 - G#5	Mute Triangle [EXC5]				
81 - A5	Open Triangle[EXC5]				
82 - A#5	Shaker				
83 - B5	Jingle Bell				
84 - C6	Belltree				
85 - C#6	Castanets				
86 - D6	Mute Surdo [EXC6]				
87 - D#6	Open Surdo [EXC6]				
88 - E6					

MAIN SOUNDS - GENERAL MIDI
(all channels except 10)

GENERAL MIDI

PC : Program change

PC	GENERAL MIDI	PC	GENERAL MIDI	PC	GENERAL MIDI	PC	GENERAL MIDI
1	(Grand) Piano 1	33	Acoustic Bass	65	Soprano Sax	97	FX 1 (rain)
2	(Bright) Piano 2	34	HQ Finger Bass	66	Alto Sax	98	FX 2 (soundtrack)
3	(El. Grd) Piano 3	35	HQ Picked Bass	67	Tenor Sax	99	FX 3 (crystal)
4	Honky-tonk Piano	36	Fretless Bass	68	Baritone Sax	100	FX4 (atmosphere)
5	El. Piano 1	37	Slap Bass 1	69	Oboe	101	FX 5 (brightness)
6	El. Piano 2	38	Slap Bass 2	70	English Horn	102	FX 6 (goblins)
7	Harpsichord	39	Synth Bass 1	71	Bassoon	103	FX 7 (echoes)
8	Clavi	40	Synth Bass 2	72	Clarinet	104	FX 8 (sci-fi)
9	Celesta	41	Violin	73	Piccolo	105	Sitar
10	Glockenspiel	42	Viola	74	Flute	106	Banjo
11	Music Box	43	Cello	75	Recorder	107	Shamisen
12	Vibraphone	44	Contrabass	76	Pan Flute	108	Koto
13	Marimba	45	Tremolo Strings	77	Blown Bottle	109	Kalimba
14	Xylophone	46	Pizzicato Strings	78	Shakuhachi	110	Bag pipe
15	Tubular Bells	47	Orchestral Harp	79	Whistle	111	Fiddle
16	Santur	48	Timpani	80	Ocarina	112	Shanai
17	Drawbar Organ	49	String Ensemble 1	81	Lead 1 (square)	113	Tinkle Bell
18	Percussive Organ	50	String Ensemble 2	82	Lead 2 (sawtooth)	114	Agogo
19	Rock Organ	51	Synth Strings 1	83	Lead 3 (calliope)	115	Steel Drums
20	Church Organ	52	Synth Strings 2	84	Lead 4 (chiff)	116	Woodblock
21	Reed Organ	53	Choir Aahs	85	Lead 5 (charang)	117	Taiko Drum
22	Accordion (french)	54	Voice Oohs	86	Lead 6 (voice)	118	Melodic Tom
23	Harmonica	55	Synth Voice	87	Lead 7 (fifths)	119	Synth Drum
24	Tango Accordion	56	Orchestra Hit	88	Lead8 (bass+lead)	120	Reverse Cymbal
25	Ac. Guitar (nylon)	57	Trumpet	89	Pad 1 (fantasia)	121	Gt. Fret Noise
26	Ac. Guitar (steel)	58	Trombone	90	Pad 2 (warm)	122	Breath Noise
27	El. Guitar (jazz)	59	Tuba	91	Pad 3 (polysynth)	123	Seashore
28	El. Guitar (clean)	60	Muted Trumpet	92	Pad 4 (choir)	124	Bird Tweet
29	El. Guitar (muted)	61	French Horn	93	Pad 5 (bowed)	125	Teleph. Ring
30	Overdriven Guitar	62	Brass Section	94	Pad 6 (metallic)	126	Helicopter
31	Distortion Guitar	63	Synth Brass 1	95	Pad 7 (halo)	127	Applause
32	Guitar harmonics	64	Synth Brass 2	96	Pad 8 (sweep)	128	Gunshot

PC	GENERAL MIDI	C0	1st VAR	C0	2nd VAR	C0	3rd VAR
97	FX 1 (rain)						
98	FX 2 (soundtrack)						
99	FX 3 (crystal)	1	Syn Mallet				
100	FX4 (atmosphere)						
101	FX 5 (brightness)	8	Brigthness2				
102	FX 6 (goblins)	8	Goblins2				
103	FX 7 (echoes)	1	Echo Bell	2	Echo Pan		
104	FX 8 (sci-fi)						
105	Sitar	1	Sitar2				
106	Banjo						
107	Shamisen						
108	Koto	8	Taisho Koto				
109	Kalimba						
110	Bag pipe						
111	Fiddle						
112	Shanai						
113	Tinkle Bell						
114	Agogo						
115	Steel Drums						
116	Woodblock	8	Castanets				
117	Taiko Drum	8	Concert BD				
118	Melodic Tom	8	Melo Tom 2				
119	Synth Drum	8	808 Tom	9	Elec Perc 1		
120	Reverse Cymbal						

32* : This variation can also be obtained by sending variation # 24.

SFX VARIATIONS
(all channels except 10)

PRG#	General MIDI	CTRL 0= 1	CTRL 0= 2	CTRL 0= 3	CTRL 0= 4	CTRL 0= 5	CTRL 0= 6	CTRL 0= 7	CTRL 0= 8	CTRL 0= 9
121	Gt. Fret Noise	Gt. Cut Noise	String Slap							
122	Breath Noise	Fl. Key Click								
123	Seashore	Rain	Thunder	Wind	Stream	Bubble				
124	Bird Tweet	Dog	Horse Gallop	Bird 2						
125	Teleph. Ring	Teleph. Ring 2	Door Creaking	Door Closing	Scratch	Wind chime				
126	Heli-copter	Car Engine Start	Car Breaking	Car Pass	Car Crash	Police Siren	Train	Jet Takeoff	Starship	Burst Noise
127	Applause	Laughing	Scream-ing	Punch	Heart Beat	Footstep				
128	Gunshot	Machine gun	Lasergun	Explo-sion						

Note ; To select a variation, first send variation number (Controller #0) then send program change number.